

## CLAIMS

I claim:

1           1.   A locking and tuning stabilizing device for a guitar  
2 with a tremolo device, the tremolo device having a tremolo block  
3 pivotal against a pivot screw on the face of the guitar, the  
4 locking and tuning stabilizing device comprising:

5           an elongated pin having a first end and a second end, the  
6 first end being adapted for attachment to the tremolo block;

7           a cylinder disposed about said pin, the cylinder having  
8 first and second ends, the first end of said pin extending from  
9 the first end of the cylinder, said pin being slidable in the  
10 cylinder, the cylinder having a transverse threaded bore defined  
11 therein; and

12           a clamp screw engaging the threaded bore in said cylinder;

13           wherein said clamp screw is movable between an unlocked  
14 position in which said pin is slidable in said cylinder in order  
15 to permit the tremolo block to pivot, and a locked position in  
16 which said clamp screw clamps said pin within said cylinder so  
17 that the pin is not slidable in said cylinder in order to  
18 prevent the tremolo block from pivoting.

1        2. The locking and tuning stabilizing device according to  
2 claim 1, further comprising means for attaching the first end of  
3 said pin to the tremolo block.

1        3. The locking and tuning stabilizing device according to claim  
2 1, wherein the second end of said cylinder is internally  
3 threaded, the locking and tuning stabilizing device for a guitar  
4 further comprising:

5            an adjustment screw engaged within the second end of said  
6 cylinder; and

7            a compression spring disposed within said cylinder between  
8 said adjustment screw and the second end of said pin.

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4. A locking and tuning stabilizing device for a guitar with a tremolo device, the tremolo device having a tremolo block pivotal against a pivot screw on the face of the guitar, the locking and tuning stabilizing device comprising:

an elongated pin having a first end and a second end, the first end being adapted for attachment to the tremolo block;

means for attaching the first end of said pin to the tremolo block;

an anchor having a first bore and a second bore defined therein, the first bore being adapted to receive the second end of said pin, the second bore being transverse to and joining the first bore, the second bore being threaded;

a clamp screw engaging the second bore;

wherein said clamp screw is movable between an unlocked position in which said pin is slidable in said anchor block in order to permit the tremolo block to pivot, and a locked position in which said clamp screw clamps said pin within said anchor so that said pin is not slidable in said anchor block in order to prevent the tremolo block from pivoting.

1        5. The locking and tuning stabilizing device according to  
2 claim 4, wherein said pin extends through said anchor, the  
3 stabilizing device further comprising:

4        a collar disposed on the second end of said pin; and

5        a spring disposed about said pin between said collar and  
6 said anchor.

1        6. The locking and tuning stabilizing device according to  
2 claim 4, wherein said anchor further comprises:

3        a "U" shaped channel; and

4        an anchor block pivotally attached within said "U" shaped  
5 channel, the first bore and the second bore being defined in the  
6 anchor block.